

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/550,820A  
Source: IFWP  
Date Processed by STIC: 10/20/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 10/20/2006

PATENT APPLICATION: US/10/550,820A

TIME: 14:49:12

Input Set : F:\SONN077US.txt

Output Set: N:\CRF4\10202006\J550820A.raw

```

3 <110> APPLICANT: BUSCHLE, MICHAEL
4     LINGNAU, KAREN
6 <120> TITLE OF INVENTION: USE OF ALUM AND A TH1 IMMUNE RESPONSE INDUCING ADJUVANT
7     FOR ENHANCING IMMUNE RESPONSES
9 <130> FILE REFERENCE: SONN:077US
11 <140> CURRENT APPLICATION NUMBER: 10/550,820A
12 <141> CURRENT FILING DATE: 2005-09-23
14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003029
15 <151> PRIOR FILING DATE: 2004-03-22
17 <150> PRIOR APPLICATION NUMBER: EP 03450072.8
18 <151> PRIOR FILING DATE: 2003-03-24
20 <160> NUMBER OF SEQ ID NOS: 8
22 <170> SOFTWARE: 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 9
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
31     Peptide
33 <220> FEATURE:
34 <221> NAME/KEY: MOD_RES
35 <222> LOCATION: (1)..(9)
36 <223> OTHER INFORMATION: X = any positively charged amino acid
38 <400> SEQUENCE: 1
W--> 39 Xaa Glx Xaa Glx Glx Xaa Glx Xaa
40     1             5
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 10
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
50     Peptide
52 <220> FEATURE:
53 <221> NAME/KEY: MOD_RES
54 <222> LOCATION: (1)..(10)
55 <223> OTHER INFORMATION: X = any positively charged amino acid
57 <400> SEQUENCE: 2
W--> 58 Xaa Glx Xaa Glx Glx Glx Xaa Glx Xaa
59     1             5             10
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 11

```

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```

64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
69     Peptide
71 <220> FEATURE:
72 <221> NAME/KEY: MOD_RES
73 <222> LOCATION: (1)..(11)
74 <223> OTHER INFORMATION: X = any positively charged amino acid
76 <400> SEQUENCE: 3
W--> 77 Xaa Glx Xaa Glx Glx Glx Glx Glx Xaa Glx Xaa
      78   1           5           10
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 12
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
88     Peptide
90 <220> FEATURE:
91 <221> NAME/KEY: MOD_RES
92 <222> LOCATION: (1)..(12)
93 <223> OTHER INFORMATION: X = any positively charged amino acid
95 <400> SEQUENCE: 4
W--> 96 Xaa Glx Xaa Glx Glx Glx Glx Glx Glx Xaa Glx Xaa
      97   1           5           10
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 13
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
107     Peptide
109 <220> FEATURE:
110 <221> NAME/KEY: MOD_RES
111 <222> LOCATION: (1)..(13)
112 <223> OTHER INFORMATION: X = any positively charged amino acid
114 <400> SEQUENCE: 5
W--> 115 Xaa Glx Xaa Glx Glx Glx Glx Glx Glx Xaa Glx Xaa
      116   1           5           10
118 <210> SEQ ID NO: 6
119 <211> LENGTH: 11
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
125     Peptide
127 <400> SEQUENCE: 6
128 Lys Leu Lys Leu Leu Leu Leu Lys Leu Lys

```

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```

129      1              5              10
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 20
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
W--> 137 <221> NAME/KEY: MOD_BASE
138 <222> LOCATION: (9)..(9)
139 <223> OTHER INFORMATION: n = i
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
143     Primer
145 <400> SEQUENCE: 7
W--> 146 tccatgacnt tcctgatgct                20
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 26
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
156     Peptide
158 <400> SEQUENCE: 8
159 Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys
160      1              5              10              15
162 Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys
163      20              25

```

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,7,9 ✓  
Seq#:2; Xaa Pos. 1,3,8,10 ✓  
Seq#:3; Xaa Pos. 1,3,9,11 ✓  
Seq#:4; Xaa Pos. 1,3,10,12 ✓  
Seq#:5; Xaa Pos. 1,3,11,13 ✓  
Seq#:7; N Pos. 9 ✓

**VERIFICATION SUMMARY**

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Input Set : F:\SONN077US.txt

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L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:137 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7  
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0